

US20030472 (094342.0049)
Ser. No. 10/823,228

CLAIMS:

Claims 1-27, Canceled

28. (Original) A cleaning appliance for cleaning a load of objects comprising:
a wash chamber defining a wash zone for accepting said load of objects;
a dispenser for applying wash liquor to said wash chamber;
a sump for collecting wash liquor that has been applied to said wash chamber; and
a chemical generating device for generating an oxidizing agent for dispensing into
said wash liquor.
29. (Original) A cleaning apparatus according to claim 28 wherein said objects are
fabric and said cleaning apparatus is an automatic washer.
30. (Original) A cleaning apparatus according to claim 29 wherein further
comprising agitation means for moving said fabric within said wash chamber.
31. (Withdrawn) A cleaning apparatus according to claim 28 wherein said objects
are foodware and said automatic cleaning apparatus is an automatic dishwasher.
32. (Original) A cleaning apparatus of claim 28 further comprising means for
applying at least one of electromagnetic, chemical and mechanical energy to said load of
objects in said wash zone to remove soil from said load of objects.
33. (Original) A cleaning apparatus according to claim 32, wherein said means for
applying energy comprises a heater adapted to heat said wash liquor, said oxidizing agent
being applied to said load of objects after said heater is deactivated.
34. (Withdrawn) A cleaning apparatus according to claim 28, wherein said oxidizing
agent is introduced to said wash chamber in a lower region of said wash zone.

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35. (Withdrawn) A cleaning apparatus according to claim 28, wherein said chemical generating device creates said oxidizing agent from wash liquor in said sump.

36. (Original) A cleaning apparatus according to claim 28, wherein said oxidizing agent comprises hydrogen peroxide.

37. (Original) A cleaning apparatus according to claim 36, wherein said hydrogen peroxide is introduced in said wash liquor at a concentration in the range of 10 to 10000 parts per million.

38. (Original) A cleaning apparatus according to claim 36, wherein said hydrogen peroxide is activated in said chemical generating device through contact with chemically modified surfaces to form hydroxyl radicals.

39. (Original) A cleaning apparatus according to claim 36, further comprising a water supply line for providing water to be used in said wash liquor, and further wherein said chemical generating device generates said hydrogen peroxide through electrolysis of water introduced through said water supply line.

40. (Original) A cleaning apparatus according to claim 28, further comprising a water supply line for providing water to be used in said wash liquor, and further wherein said chemical generating device generates said hydrogen peroxide through electrolysis of water introduced through said water supply line.

41. (Original) An automatic cleaning appliance comprising:
a wash zone arranged to receive a load of objects to be cleaned and a wash liquor to be applied to the load of objects in said wash zone;
a water supply line communicating with said wash zone;
a hydrogen peroxide generator arranged to receive a supply of water from said water supply line;
a conduit leading from said hydrogen peroxide generator to said wash zone.

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42. (Original) An automatic cleaning appliance comprising:
a wash zone arranged to receive a load of objects to be cleaned and a wash liquor to be applied to the load of objects in said wash zone;
a chemical generating device arranged in association with said appliance to generate an oxidizing agent; and
a conduit leading from said chemical generating device to said wash zone.